

ASCE VOTING GUIDE TO SUPPORT ASCE 7-16

Online ICC Governmental Member Vote open Nov. 8 - 22, 2016 using <https://cdpaccess.com>

Proposals listed below were submitted by ASCE to support the coordinated adoption of ASCE 7-16 into the 2018 I-Codes. Items listed in yellow are critical new items to support ASCE 7-16 new provisions that represent updated research, scientific data and improvements to public safety. Other items are coordination of notation, sections, or terms. All recommendations are consistent with the ICC Structural Committee Actions as well as the Assembly Actions during the Public Comment Hearings.

Proposed Change #	Recommended VOTE	Proposal Topic	Why to support*
ADM94-16 ASCE 7	AS SUBMITTED (AS)	Adoption of referenced standard ASCE 7-16 Minimum Design Loads & Associated Criteria for Buildings and Other Structures	<i>The 2016 edition includes new hazard maps and new tsunami provisions. It represents the most current research and scientific data available and was developed during a 5-year period under an ANSI-accredited consensus process.</i>
S53-16	AS SUBMITTED (AS)	Coordination of notation	<i>The 2016 edition updates self-straining notation, T, to be consistent in response to public and industry request to coordinate and clarify terminology with referenced material standards. This coordinates the notation within the IBC.</i>
S63-16	AS MODIFIED (AM)	Removal of obsolete references; Coordination of sections	<i>This removes obsolete reference to ASCE 7 Appendix 11A, which has been deleted from ASCE 7; and also removes partial list of counteracting structural actions. Also updates section references; this coordinates the sections within the IBC.</i>
S72-16	AS SUBMITTED (AS)	New tsunami provisions charging language, definitions, and adds limitation to Risk Category III & IV	<i>The 2016 edition includes new tsunami provisions, which addresses the need for 5 pacific coast states to mitigate against this significant environmental hazard. The ICC Structural Committee unanimous approval of this proposal included the reason statement "...tsunami loads are desperately needed. It only affect Risk Categories III & IV and is not applicable to existing structures."</i>
S77-16	AS SUBMITTED (AS)	Coordination of sections for Load Combinations	<i>The 2016 edition has relocated all load combinations within Chapter 2, this coordinates the sections within the IBC.</i>
S78-16	AS MODIFIED BY PC 1 (AMPC 1)	Remove duplicative load combinations	<i>This proposal removes duplicative load combinations from the IBC to reduce the likelihood that designers will misapply the 1/3 increase factor applicable to the Alternate Allowable Stress Load Combinations. Alternate Allowable Stress Load Combinations will remain in the IBC with the permissible 1/3 increase. There is no technical change to the load combinations.</i>
S88-16	AS MODIFIED BY PC 1 (AMPC 1)	Coordination of hoist support terms	<i>The 2016 edition updates terminology to be consistent in response to industry request to coordinate and clarify terms with referenced material standards. This coordinates the terms within the IBC.</i>
S93-16	AS SUBMITTED (AS)	Coordination of sections for vegetative roofs	<i>The 2016 edition updates the IBC with ASCE 7 sections; The provisions in ASCE 7 clarify component loads and clearly outlines the minimum live loads in a section for occupiable roofs.</i>
S103-16	AS MODIFIED BY PC 1 (AMPC 1)	New Snow Map modified to coordinate with new state data for NH, CO, MT, ID, WA, OR, and NM	<i>The 2016 edition includes tabular ground snow data that has been developed by the mountainous states and adopted locally, thus eliminating the "case study" needs in those states. There have been no changes in contours for other states.</i>
S110-16	AS MODIFIED BY PC 1 (AMPC 1)	Align rain loads with International Plumbing Code, clean up mandatory language	<i>The 2016 edition updates secondary (overflow) system design to be consistent with the International Plumbing Code provisions by providing a basis for the design mean recurrence interval and duration for determining the hydraulic head.</i>
S114-16	AS MODIFIED (AM)	Seismic site coefficients table updates	<i>The 2016 edition includes new seismic site coefficients which coordinate with the new seismic hazard maps that were approved on the consent agenda. This proposal updates site coefficients as well as corrects unconservative design spectral response acceleration parameters.</i>
S166-16	AS SUBMITTED (AS)	Coordination of sections for foundations	<i>The 2016 edition has relocated all load combinations within Chapter 2, this coordinates the sections within the IBC, as well as updates sections for seismic ties in foundations.</i>
S242-16	AS MODIFIED (AM)	New section for concrete diaphragms	<i>The 2016 edition has provisions for alternative seismic design force level for precast concrete diaphragms in Seismic Design Category C and above; this code change adds this to the IBC.</i>
S315-16	AS SUBMITTED (AS)	Revised Appendix for Tsunami Evacuation Facilities	<i>This code change updates IBC Appendix M to coordinate with the new tsunami provisions of ASCE 7-16.</i>

*For more information on issues and ASCE 7-16 adoption, visit <http://www.asce.org/structural-engineering/asce-7-and-sei-standards/> or email Jennifer Goupil (jgoupil@asce.org).